

# Maximise Your Operational Efficiency

Engage your workforce in defect elimination



## The Manufacturing Game®

**R**eliable Manufacturing Limited present a one day workshop on The Manufacturing Game®, a highly acclaimed improvement tool, which presents refreshingly practical opportunities to tackle the challenges you face to achieve demanding levels of quality production at minimum unit cost.

The game, originally developed by DuPont, has been used for more than fifteen years by over 150 organisations to significantly improve performance.

It simulates real life in a production facility, with the challenges and pressures of meeting production and cost targets as well as dealing with Health, Safety and Environmental factors.

It's an experiential learning tool that teaches systems thinking, how the actions of one area impact the function of another and the profitability of the *whole*. It helps people to shift their thinking to new ways of working; cross functional, cross asset, and cross organisation.

The simulation is highly effective in engaging frontline operations and maintenance teams in tackling nagging defects that cause repetitive problems and failures that undermine the delivery of business and operational goals.

These defects are often so small and ingrained in designs, procedures and approaches that they are invisible to managers and engineers. There is typically a mountain of these defects that can be eliminated by frontline driven action teams in less than 90 days for little or no expense, with a potentially huge financial return for the Organisation.

The cumulative effect of defect elimination deep in the Organisation helps to accelerate change in the Operation and, more importantly, in the culture of the Organisation.

This one day workshop is especially designed to provide an in depth experience of the Game to managers and others interested in how to fully engage their Organisation in the practices of Manufacturing and Operational Excellence.

### Who Should Attend?

This one day workshop is especially designed for:

- ◆ Site Managers
- ◆ Change Managers
- ◆ Operations Managers
- ◆ Maintenance Managers
- ◆ Engineers

### Location

The event will be held from  
08:30 to 17:30 in  
Teesside, UK.

*Teesside is 30 minutes drive from  
Durham Tees Valley  
International Airport*

**July 10  
2007**

To book places at this event fax back the attached booking form or contact us on + 44 7967 644852 or email [info@reliable-manufacturing.com](mailto:info@reliable-manufacturing.com)

## **What You Will Learn**

By attending this workshop you will gain an understanding and experience of :

- The value of balancing a top down project approach to performance improvement with a proactive bottom up focus on defect elimination
- How to engage your frontline operations and maintenance teams and give them the vision for their role in improving operational efficiency
- The impact that functional and cross functional decision making can have on the efficiency of other departments and the profitability of the whole enterprise.
- ◆ The emotional roller coaster of leading change in a demanding and complex environment

## **Course Outline**

### **Session 1: Introduction**

- ◆ Overview of Manufacturing Stable Domains
- ◆ Summary of Benchmark Studies
- ◆ Concept of Defect Elimination

### **Session 2: Game Introduction**

- ◆ Explanation of simulation
- ◆ Understanding of individual roles

### **Session 3: Running The Game**

- ◆ Learning how to interface with other departments
- ◆ Balancing short & long term interests
- ◆ Discovering key leverage points
- ◆ Overcoming set backs
- ◆ Benchmarking performance & strategies

### **Session 4: Debrief & Action Planning**

- ◆ Sharing experiences from the simulation
- ◆ Reflecting on real life issues seen in the Game
- ◆ Applying defect elimination principles in practice

## **What Clients say about The Manufacturing Game®**

*“In over 20 years of operational experience, this Game is the best tool I have seen for engaging the workforce to improve business performance. It directly impacts the work that gets done. It also gives people the best fun they may have at work all year!”*

**BP Transformation Manager**

*“Our Action Teams found and eliminated over 100 defects. The savings in our area exceed £1m.*

**Eastman Chemicals**

*“We found that the game and the Action Teams created the needed excitement and commitment that was missing in our earlier attempt at Total Productive Maintenance”*

**Phillips Chemicals**

*“Action Teams have been responsible for cost savings, reduction in downtime, improvement in direct pass rate, and cycle time reduction on equipment throughout the plant. One example was a 53% reduction in downtime and a 5% increase in run rate on a modular transfer machine”*

**Honda**

## **Clients who have benefited from The Manufacturing Game®**

Alyeska Pipeline, BHP Steel, BP, Cabot Corp, Conoco Phillips, DOFASCO, DuPont, Dow Corning, Eastman Kodak, Eli Lilly, Exxon Mining, ExxonMobil, Goodyear, Honda, Honeywell, Huntsman Tioxide, Kimberly Clark, Koch, Marathon, Millennium, Monsanto, National Starch, Nova Chemicals, Pharmacia-Upjohn, Premcor, Rio Tinto Mining, Rohm & Haas, Santos, SASOL, SEPCo, Shell, Uncle Toby's (Australia), Valero, Weyerhaeuser, Whirlpool

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# The Manufacturing Game<sup>®</sup> July 10th

## Booking Form

### Contact details of person making the booking:

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Job Title: \_\_\_\_\_

Telephone: \_\_\_\_\_ Mobile: \_\_\_\_\_

### I wish to register the following people for the above event on July 10th 2007:

Name	Position	Telephone	Email

The delegate fee is £295 per person plus vat (17.5%). Fee includes all course materials, lunch and refreshments during the workshop. Overnight accommodation is not included.

### Take advantage of our early bird Team Discount: Book three places by May 31st and get a fourth place free!!

Please note that no refunds can be made for any cancellations made within 2 weeks of the event. Substitutions can be made at anytime. The Class is not open to Consultants. Venue details will be confirmed on receipt of booking forms. In the event of unforeseen circumstances the organisers reserve the right to re-schedule or cancel this event.

I wish to pay by credit card  I enclose a cheque (payable to Reliable Manufacturing Ltd)

### Credit Card Details:

Name of Card Holder		as written on card
Type of Card		
Card Number		no spaces
Start date		use mmyy format with no / or - separators
Expiry Date		use mmyy format with no / or - separators
Issue Number		older switch cards only.
Card Verification Number		additional 3 or 4 security digits on card strip
Billing Address		house number & street name
		town
		city
		state/shire
		country
Post Code		
Transaction Amount		Total fees <b>including vat</b> in pounds sterling

Please fax/return completed form to: Reliable Manufacturing Ltd, 25 Barshaw Gardens, Appleton, Warrington, WA4 5FA

Fax: +44 (0) 1925 601074

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